

In the Claims

Applicants have submitted a new complete claim set indicating marked-up claims with insertions and deletions indicated by underlining and strikeouts, respectively.

Please amend pending claims 2, 3, and 4 as noted below.

Please add new claims 29 and 30 as noted below.

1. (Previously Amended) An interlocking modular block system for mortarless wall assembly, comprising:

a plurality of blocks laid up in courses in a staggered relationship,

wherein three different block configurations are provided, stretcher and corner blocks having lengths at least one and a half times the width, and half block having the same width and a length up to half the length of stretcher and corner blocks, said blocks comprising:

a pair of spaced, parallel, upright sidewalls having flat top and bottom surfaces, said sidewalls having block-interlocking means;

a first transverse end wall extending between said sidewalls spaced from a second end of said blocks; and

a second transverse end wall extending between said sidewalls spaced from a second end of said blocks.

2. (Currently Amended) An interlocking modular block system for mortarless wall assembly, comprising

a plurality of blocks laid up in courses in a staggered relationship according to claim 1 wherein the stretcher block comprises:

a pair of spaced, parallel, upright sidewalls (1, 2) having flat top and bottom surfaces, said sidewalls having block-interlocking means (3, 4, 5, 6) on opposed ends thereof;

a first transverse, protruding end wall (7) extending between said sidewalls spaced from at a first end of said block; and

a second transverse, protruding end wall (8) extending between said sidewalls spaced from a second end of said block.

3. (Currently Amended) An interlocking modular block system for mortarless wall assembly, comprising

a plurality of blocks laid up in courses in a staggered relationship according to claim 1 wherein the corner block comprises:

a pair of spaced, parallel, upright sidewalls (9, 10) having flat top and bottom surfaces, said sidewalls having block-interlocking means (11, 12, 13, 14) on opposed ends thereof;

a first transverse end wall (15) extending between said sidewalls at a first end of said block;

a second transverse end wall (16) extending between said sidewalls spaced from a second end of said block;

a transverse upright support web (17) spans between said sidewalls, is integral to the sidewalls, and defines a cavity for receiving cementitious material therein; and

protrusions (18) on the inside of sidewalls, extending from a base substantially coplanar with said sidewall bottom surfaces and having tips extending above said sidewall top surfaces configured to interlock with a block in a next succeeding course.

4. (Currently Amended) An interlocking modular block system for mortarless wall assembly, comprising

a plurality of blocks laid up in courses in a staggered relationship according to claim 1 wherein the half block comprises:

a pair of spaced, parallel, upright sidewalls (19, 20) having flat top and bottom surfaces, said sidewalls having block-interlocking means at one end of said sidewalls (21, 22);

a first transverse end wall (23) extending between said sidewalls at a first end of said block;

a second transverse end wall (24) extending between said sidewalls spaced from a second end of said block; and

a protrusion (25) on the inside of said sidewalls, extending from a base substantially coplanar with said sidewall bottom surfaces and having a tip extending above said sidewall top surfaces configured to interlock with a block in a next succeeding course.

cont.
C1

both ends includes one end

5. (Previously Amended) The interlocking modular block system for mortarless wall assembly according to claim 1 wherein the block-interlocking means comprises male and female interlocking means.

6. (Original) The interlocking modular block system for mortarless wall assembly according to claim 5 wherein the male and female interlocking means provide self-alignment features to the block system for mortarless wall assembly.

7. (Previously Amended) The interlocking modular block system for mortarless wall assembly according to claim 1 where the blocks provide void space to house stability and stiffening means in both horizontal and vertical directions.

8. (Previously Amended) The interlocking modular block system for mortarless wall assembly according to claim 1 wherein the blocks provide for the construction of door and window openings.

9. (Previously Amended) The interlocking modular block system for mortarless wall assembly according to claim 1, wherein the blocks are used to house lintels without requiring the use of form work.

10. (Previously Amended) The interlocking modular block system for mortarless wall assembly according to claim 1, wherein the blocks provide for the construction of load and non-load bearing walls.

11. (Previously Added) The interlocking modular block system for mortarless wall assembly according to claim 2, wherein the block-interlocking means comprises male and female interlocking means.

12. (Previously Added) The interlocking modular block system for mortarless wall assembly according to claim 11 wherein the male and female interlocking means provide self-alignment features to the block system for mortarless wall assembly.

13. (Previously Added) The interlocking modular block system for mortarless wall assembly according to claim 3, wherein the block-interlocking means comprises male and female interlocking means.

14. (Previously Added) The interlocking modular block system for mortarless wall assembly according to claim 13 wherein the male and female interlocking means provide self-alignment features to the block system for mortarless wall assembly.

15. (Previously Added) The interlocking modular block system for mortarless wall assembly according to claim 4, wherein the block-interlocking means comprises male and female interlocking means.

16. (Previously Added) The interlocking modular block system for mortarless wall assembly according to claim 15 wherein the male and female interlocking means provide self-alignment features to the block system for mortarless wall assembly.

17. (Previously Added) The interlocking modular block system for mortarless wall assembly according to claim 2, wherein the blocks provide void space to house stability and stiffening means in both horizontal and vertical directions.

18. (Previously Added) The interlocking modular block system for mortarless wall assembly according to claim 2, wherein the blocks provide for the construction of door and window openings.

19. (Previously Amended) The interlocking modular block system for mortarless wall assembly according to claim 2, wherein the blocks are used to house lintels without requiring the use of form work.

20. (Previously Added) The interlocking modular block system for mortarless wall assembly according to claim 2, wherein the blocks provide for the construction of load and non-load bearing walls.

21. (Previously Added) The interlocking modular block system for mortarless wall assembly according to claim 3, wherein the blocks provide void space to house stability and stiffening means in both horizontal and vertical directions.

22. (Previously Added) The interlocking modular block system for mortarless wall assembly according to claim 3, wherein the blocks provide for the construction of door and window openings.

23. (Previously Amended) The interlocking modular block system for mortarless wall assembly according to claim 3, wherein the blocks are used to house lintels without requiring the use of form work.

24. (Previously Added) The interlocking modular block system for mortarless wall assembly according to claim 3, wherein the blocks provide for the construction of load and non-load bearing walls.

25. (Previously Added) The interlocking modular block system for mortarless wall assembly according to claim 4, wherein the blocks provide void space to house stability and stiffening means in both horizontal and vertical directions.

26. (Previously Added) The interlocking modular block system for mortarless wall assembly according to claim 4, wherein the blocks provide for the construction of door and window openings.

27. (Previously Amended) The interlocking modular block system for mortarless wall assembly according to claim 4, wherein the blocks are used to house lintels without requiring the use of form work.

28. (Previously Added) The interlocking modular block system for mortarless wall assembly according to claim 4, wherein the blocks provide for the construction of load and non-load bearing walls.

29. (New) The interlocking modular block system for mortarless wall assembly of claim 2, wherein the protruding end wall (7) is of substantially uniform thickness.

30. (New) The interlocking modular block system for mortarless wall assembly of claim 3, wherein the transverse upright support web (17) is of substantially uniform thickness.
